PlanWorks.cfg

Concepts

PlanWorks.cfg is used to configure the behavior of the EUROPA Partial Plan Writer. To conform to strict XML requirements and allow for file validation, this configuration file should have exactly one root element named `PartialPlanWriterConfig.` The file contains sections, which themselves contain variable assignments. For each variable assignment there is one attribute `value` which the user must supply.

General Configuration Section

The `GeneralConfigSection` is for the properties of writing partial plans to the directory specified by `WriteDest`.

When running under PlanWorks Planner Control, The `AutoWrite`, `StepsPerWrite`, and `WriteFinalStep` settings have no effect since they are overridden by PlanWorks.

Parameters

- `AutoWrite`:
  - *1*: to enable logging of every step
  - *0*: disables writing complete set of steps; but does not disable writing last step when `WriteFinalStep` is *1*
- `StepsPerWrite`:
  - *1*: write every plan step
  - *n*: write every *n* plan steps
  - *0*: disables logging completely
- `WriteFinalStep`:
  - *1*: write the last step in the plan only; requires `AutoWrite` be *0* to enable this function
  - *0*: disables logging when `AutoWrite` is *0*; has no effect when `AutoWrite` is *1*
- `WriteDest`: Specifies the path to the planner output target directory
- `MaxChoices`: Used in the PlanWorks Decision View. It specifies the number of choices that the Partial Plan Writer will output and will be viewable by PlanWorks. If commented out, all choices will be viewable.

Rule Configuration Section

The `RuleConfigSection` and `SourcePath` parameter(s) are used to specify where the Partial Plan Writer looks for model (nddl) files. Multiple `SourcePath` entries are allowed. The Partial Plan Writer normally assumes the nddl source file is in the current directory with the executable. If this is the case, the `RuleConfigSection` can remain commented out. The Partial Plan Writer search order is:

1. current directory
2. one up from current directory
3. directory specified by first `SourcePath` parameter
4. directories specified by additional `SourcePath` parameters.

Parameters

- `SourcePath`: A path where the Partial Plan Writer looks for model (nddl) files.

An example

```
<PartialPlanWriterConfig>

  <GeneralConfigSection>
    <AutoWrite value="1"/>
    <StepsPerWrite value="1"/>
    <WriteFinalStep value="0"/>
    <WriteDest value="./plans"/>
    <MaxChoices value="1"/>
  </GeneralConfigSection>

  <RuleConfigSection>
    <SourcePath value="/home/jhacker/PLASMA/System/test"/>
  </RuleConfigSection>

</PartialPlanWriterConfig>
```